



College Of Engineering Civil Engineering Study Plan

139 Total Credit Hours
updated as of Fall 2025

Freshman				Sophomore		Junior				Senior					
First Semester 18H				First Semester 18H		First Semester 17H				First Semester 18H					
2H	ISLM 1221: Islamic Cul, Val & Soci			COMM 1322	→	3H	COMM 2321: Tech & Professional Comm	2H	ASSE 3211: Learning Outcome Asse. II	←	ASSE 2111 & Junior level	MEEN 2313 CVEN 3312	→	3H	CVEN 4313: Design of Steel Structures
1H	PHED 1111: Active Living Lifestyle	←	PRPC/PRPW/PREE 0061 or equi	UNIV 1212	→	2H	UNIV 1213: Leadership & Teamwork	3H	GEEN 3311: Intro. to Fluid Mechanics	←	GEEN 2313	CVEN 3322 CVEN 3323	→	3H	CVEN 4323: Intro. to Geotechnical Eng.
3H	COMM 1321: Oral Comm.	←	IELTS/APTIS	MATH 1423	→	3H	MATH 1324: Calculus III	3H	CVEN 3322: Materials in CIVil Engineering	←	MEEN 2313	CVEN 3331 CVEN 3312	→	3H	CVEN 4396: Civil Engineering Senior Design I
2H	UNIV 1211: Prof. Devt & Comp	←	PRPC/PRPW/PREE 0061 or equi	PHYS 1421 MATH 1422	→	4H	PHYS 1422: Physics for Engineers II	3H	CVEN 3311: Structural Analysis	←	MEEN 2313	CVEN 3343	→	3H	GEEN 4311: Engineering Economy
4H	MATH 1422: Calculus I	←	PRPM 0022	MATH 1423 GEEN 1211	→	2H	GEEN 2211: Eng. Computing	3H	CVEN 3323: Engineering Geology	←	GEEN 2313	CVEN 3341	→	3H	CVEN 4342: Transportation Eng.
4H	PHYS 1421: Physics for Engineers I	←	PRPM 0022	Sophomore Level	→	1H	ASSE 2111: Learning Outcome Assmt. I	3H	CVEN 3341: Engineering Measurement	←	CVEN 2311	Select one from list.	→	3H	CVEN XXXX: CE Tech. Elective I
2H	GEEN 1211: Intro. to Eng	←	PRPM 0022	GEEN 2311 MATH 1423	→	3H	MEEN 2312: Engineering Mechanics II: Dynamics								

Second Semester 17H			Second Semester 17H			Second Semester 17H			Second Semester 14H		
1H	PHED 1112: Healthy Behaviors & Mgmt	← PHED 1111	MATH 1324	→ 3H	CVEN 2311: CAD for Civil Engineering	3H	CVEN 3331: Envi. Engineering Fundamentals	← GEEN 3311	UNIV 2221	→ 2H	UNIV 2222: Systems Thinking for Future Innovations
3H	COMM 1322: Written Comm.	← COMM 1321	MATH 1423 CHEM 1421	→ 3H	GEEN 2313: Thermodynamics I	3H	CVEN 3332: Hydraulic Engineering	← GEEN 3311	GEEN 4311	→ 3H	CVEN 4314: Construction Management
2H	UNIV 1212: Critical Thinking & Prob. Solving	← UNIV 1211	MATH 1324	→ 3H	MATH 2332: Ordinary Diff't'l. Eq.	3H	CVEN 3343: Eng. Probability & Statistics	← MATH 1324	CVEN 4396 GEEN 4311	→ 3H	CVEN 4397: Civil Engineering Senior Design II
4H	MATH 1423: Calculus II	← MATH 1422	GEEN 2311	→ 3H	MEEN 2313: Solid Mechanincs	3H	CVEN 3312: Reinforced Concrete Design	← CVEN 3311	Select one from list.	→ 3H	CVEN XXXX: CE Technical Elective II
4H	CHEM 1421: Chem. for Engineers I	← PRPM 0022	COMM 2321	→ 3H	COMM 2322: Writing & Research	3H	CVEN 3344: Sustainable Engineering	← CVEN 3322	Select one from the list.	→ 3H	Social Science: Social Science Elective
3H	GEEN 2311: Eng. Mechanics I: Statics	← PHYS 1421	UNIV 1211	→ 2H	UNIV 1221: Generative AI Prompt Eng. Basics	2H	UNIV 2221: Future Skills	← UNIV 1221			

Summer Semester 3H

3H CVEN 3301: Internship

End of Junior Year, 90 Cr hours

How to read study plan:

The dotted-lined square indicates a pre-requisite class

Social Science Elective: Choose one - **BSTW 1311** Behavioral Sciences in 3D World, **GEGR 1311** World Regional Geography, **SERV 1311** Introduction to Service Learning and Volunteering, **FURS 1311** Introduction to Futures Skills, **FUTR 1311** Introduction to Futures Studies, **PSYC 1311** Introduction to Psychology, **FREN 1311** Introduction to French Language, **HIST 1311** World Civilizations, **SPAN 1311** Introduction to Spanish Language, **SUST 1311** Introduction to Sustainability, **SYST 1311** Introduction to Systems Thinking

CVEN Technical Electives: CVEN 4324 Foundation Analysis & Design - (Pre-requisite) **CVEN 4323**: Introduction to Geotechnical Engineering,

CVEN 4334 Air Pollution & Control - (Pre-requisite) **CVEN 3331**: Environmental Engineering Fundamental

CVEN 4333 Water & Waste Water Treatment - (Pre-requisite) **CVEN 3331**: Environmental Engineering Fundamental; **CVEN 3332**: Hydraulic Engineering